

What is Claimed is:

1. A dual reflector system for reflecting light produced by a lamp, comprising:

    a first reflector defining a first depth and a first focal point; and

5       a second reflector defining a second depth and a second focal point;

    wherein the second depth is less than the first depth and further wherein the first reflector focal point is substantially the same as the second reflector focal point.

2. The reflector system of claim 1, wherein the first reflector includes at least one aperture whereby a lamp having a filament for producing light may be positioned in an interior of the first reflector; and

5       the second reflector includes an aperture through which light energy produced by the lamp exits.

3. The reflector system of claim 1, wherein the first reflector includes at least one first aperture whereby a lamp having a filament for producing light may be positioned in an interior of the first reflector; and further wherein the first reflector includes a second aperture

5       through which light energy produced by the lamp exits.

4. The reflector system of claim 2, wherein the at least one first

reflector aperture and the second reflector aperture are positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

5. The reflector system of claim 3, wherein the second aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

6. The reflector system of claim 1, wherein the first reflector focal point and the second reflector focal point are substantially on a central longitudinal axis defined by the first reflector and the second reflector.

7. A lighting fixture for producing light from an electric current supplied from an external source and directing the light, comprising:

a lamp having an envelope, a filament disposed within the envelope for producing the light, at least two filament supports, and a base supporting the envelope and the filament supports, the base having at least two contacts for supplying the electric current from the external source to the filament;

10 a reflector system, wherein the reflector system comprises a first reflector defining a first depth and a first focal point and a second reflector defining a second depth and a second focal point, and further wherein the second depth is less than the first depth and the first reflector focal point is substantially the same as the second reflector focal point; and a housing for supporting the lamp and the reflector system.

8. The lighting fixture of claim 7, wherein the lamp is positioned

whereby the filament is held substantially at the first reflector focal point and the second reflector focal point.

9. The lighting fixture of claim 7, wherein the first reflector includes at least one aperture through which the lamp is held in an interior of the first reflector; and

5        the second reflector includes an aperture through which light energy produced by the lamp exits.

10. The lighting fixture of claim 7, wherein the first reflector includes at least one first aperture through which the lamp is held in an interior of the first reflector; and

5        further wherein the first reflector includes a second aperture through which light energy produced by the lamp exits.

11. The lighting fixture of claim 9, wherein the at least one first reflector aperture and the second reflector aperture are positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

12. The lighting fixture of claim 10, wherein the second aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

13. A method for providing a high intensity beam of light, comprising the steps of:

      providing a lamp having an envelope, a filament disposed

within the envelope for producing the light, at least two filament supports, and a base supporting the envelope and the filament supports, the base having at least two contacts for supplying the electric current from the 5 external source to the filament;

providing a reflector system, wherein the reflector system comprises a first reflector defining a first depth and a first focal point and a second reflector defining a second depth and a second focal point, and further wherein the second depth is less than the first depth and the first 10 reflector focal point is substantially the same as the second reflector focal point;

positioning the lamp such that the filament is held substantially at the first reflector focal point and the second reflector focal point;

15 providing an electric current to the filament from the external source; and

radiating light from the filament.

14. The method of claim 13, wherein the first reflector includes at least one aperture through which the lamp is held in an interior of the first reflector; and

5 the second reflector includes an aperture through which light energy produced by the lamp exits.

15. The method of claim 13, wherein the first reflector includes at least one first aperture through which the lamp is held in an interior of the first reflector; and

further wherein the first reflector includes a second aperture

through which light energy produced by the lamp exits.

16. The method of claim 14, wherein the at least one first reflector aperture and the second reflector aperture are positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

17. The method of claim 15, wherein the second aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.

18. A lamp for producing light from an electric current supplied from an external source, comprising:

an envelope comprising a first reflector defining a first depth and a first focal point and a second reflector defining a second depth and a second focal point, wherein the second depth is less than the first depth and further wherein the first reflector focal point is substantially the same as the second reflector focal point;

a filament for producing the light, said filament disposed in an interior of the envelope, the first reflector, and the second reflector;

10 at least two filament supports; and

a base supporting the envelope and the filament supports, the base having at least two contacts for supplying the electric current from the external source to the filament;

15 wherein the filament is positioned substantially at the first reflector focal point and the second reflector focal point.

19. The lamp of claim 18, wherein the first reflector includes an aperture through which light energy produced by the filament exits.
20. The lamp of claim 18, wherein the second reflector includes an aperture through which light energy produced by the filament exits.
21. The lamp of claim 19, wherein the first reflector aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.
22. The lamp of claim 20, wherein the second reflector aperture is positioned in substantial alignment with a central longitudinal axis defined by the first reflector and the second reflector.
23. The lamp of claim 18, wherein the first reflector focal point and the second reflector focal point are substantially on a central longitudinal axis defined by the first reflector and the second reflector.